MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		5th Main 18th Cross	Cum	2	4.70		0.50	4.70			
		5th Main 18th Cross	Cum	2	7.00		0.50	7.00			
		G kalappa Road									
			Sqm	2	9.10		0.50	9.10			
			Sqm	2	6.10		0.50	6.10			
		G kalappa Road For SSM drain									
0	8.1		Sqm	2	8.10		0.80	12.96			
		Agrahara Hospital									
0	15		Sqm	2	15.00		1.20	36.00			
15	30		Sqm	2	15.00		1.20	36.00			
30	45		Sqm	2	15.00		1.20	36.00			
45	60		Sqm	2	15.00		1.20	36.00			
60	75		Sqm	2	15.00		1.20	36.00			
75	90		Sqm	2	15.00		1.20	36.00			
90	105		Sqm	2	15.00		1.20	36.00			
105	107		Sqm	2	2.00		1.20	4.80			
		Hospital opposite									
0	15		Sqm	2	15.00		1.20	36.00			
15	30		Sqm	2	15.00		1.20	36.00			
30	45		Sqm	2	15.00		1.20	36.00			
45	60		Sqm	2	15.00		1.20	36.00			
60	79		Sqm	2	19.00		1.20	45.60			
							TOTAL	521.26	223.66	116585.01	

Item no.11 Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.875 cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. and as per the directions of the Engineer-in-charge of the work .

Measurements Taken On :

		Bottom Raft									
		Agrahara Layout									
		3rd Main Road									
0	15		Cum	1	15.00	1.10	0.15	2.48			
15	23.8		Cum	1	8.80	1.10	0.15	1.45			
29.8	47.2	23.8 to 29.8 Culvert And No Drain	Cum	1	17.40	1.10	0.15	2.87			
47.2	53.8		Cum	1	6.60	1.10	0.15	1.09			
		3rd Main To 4th Main 18th Cross Road									
0	15		Cum	1	15.00	1.10	0.15	2.48			
15	30		Cum	1	15.00	1.10	0.15	2.48			
34.4	49.4	30 to 34.4 No Drain	Cum	1	15.00	1.10	0.15	2.48			
49.4	58.1		Cum	1	8.70	1.10	0.15	1.44			
		4th Main to 5th main 18th Crosss									
0	15		Cum	1	15.00	1.10	0.15	2.48			
15	27.7		Cum	1	12.70	1.10	0.15	2.10			
29.5	47.1	27.7 lto 29.5 No Drain	Cum	1	17.60	1.10	0.15	2.90			
49.7	55.3	47.1 to 49.7 No drain	Cum	1	5.60	1.10	0.15	0.92			

Checked. 15/2

PRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer, BMC

Assistant Engineer

Asst. Executive Engineer 15/2/2020

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		5th Main to 6th Main 18th Cross									
0	15		Cum	1	15.00	1.05	0.15	2.36			
15	30		Cum	1	15.00	1.05	0.15	2.36			
30	45		Cum	1	15.00	1.05	0.15	2.36			
45	56.3		Cum	1	11.30	1.05	0.15	1.78			
		6th Main to Agrahara hospital									
0	15		Cum	1	15.00	1.00	0.15	2.25			
15	30		Cum	1	15.00	1.00	0.15	2.25			
30	45		Cum	1	15.00	1.00	0.15	2.25			
45	60		Cum	1	15.00	1.00	0.15	2.25			
60	75		Cum	1	15.00	1.00	0.15	2.25			
75	90		Cum	1	15.00	1.00	0.15	2.25			
99.5	113	90 to 99.5 Culvert	Cum	1	13.50	1.00	0.15	2.03			
		Agrahara hospital Back Side									
0	15		Cum	1	15.00	1.00	0.15	2.25			
15	30		Cum	1	15.00	1.00	0.15	2.25			
30	45		Cum	1	15.00	1.00	0.15	2.25			
45	60		Cum	1	15.00	1.00	0.15	2.25			
60	75		Cum	1	15.00	1.00	0.15	2.25			
75	90		Cum	1	15.00	1.00	0.15	2.25			
90	107		Cum	1	17.00	1.00	0.15	2.55			
		G kallappa road									
0	15		Cum	1	15.00	1.05	0.15	2.36			
15	32.5		Cum	1	17.50	1.05	0.15	2.76			
41.6	57.6	33.5 to 42.6 Culvert	Cum	1	16.00	1.05	0.15	2.52			
57.6	76.1		Cum	1	18.50	1.05	0.15	2.91			
		Side Wall									
		Agrahara Layout									
		3rd Main Road									
0	15		Cum	2	15.00	0.15	0.90	4.05			
15	23.8		Cum	2	8.80	0.15	0.80	2.11			
29.8	47.2	23.8 to 29.8 Culvert And No Drain	Cum	2	17.40	0.15	0.85	4.44			
47.2	53.8		Cum	2	6.60	0.15	0.85	1.68			
		3rd Main To 4th Main 18th Cross Road									
0	15		Cum	2	15.00	0.15	0.90	4.05			
15	30		Cum	2	15.00	0.15	0.90	4.05			
34.4	49.4	30 to 34.4 No Drain	Cum	2	15.00	0.15	0.90	4.05			
49.4	58.1		Cum	2	8.70	0.15	0.90	2.35			
		4th Main to 5th main 18th Crosss									
0	15		Cum	2	15.00	0.15	0.90	4.05			
15	27.7		Cum	2	12.70	0.15	0.90	3.43			
29.5	47.1	27.7 lto 29.5 No Drain	Cum	2	17.60	0.15	0.97	5.12			
49.7	55.3	47.1 to 49.7 No drain	Cum	2	5.60	0.15	0.80	1.34			

checked

C & FC 15/1/2020

Assistant Executive Engineer, Byatarayanapura Sub-division, BBMP

Contractor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		5th Main to 6th Main 18th Cross									
0	15		Cum	2	15.00	0.15	0.90	4.05			
15	30		Cum	2	15.00	0.15	0.90	4.05			
30	45		Cum	2	15.00	0.15	0.85	3.83			
45	56.3		Cum	2	11.30	0.15	0.85	2.88			
		6th Main to Agrahara hospital									
0	15		Cum	2	15.00	0.15	0.90	4.05			
15	30		Cum	2	15.00	0.15	0.90	4.05			
30	45		Cum	2	15.00	0.15	1.00	4.50			
45	60		Cum	2	15.00	0.15	1.05	4.73			
60	75		Cum	2	15.00	0.15	1.05	4.73			
75	90		Cum	2	15.00	0.15	1.05	4.73			
99.5	113	90 to 99.5 Culvert	Cum	2	13.50	0.15	1.10	4.46			
		Agrahara hospital Back Side									
0	15		Cum	2	15.00	0.15	0.80	3.60			
15	30		Cum	2	15.00	0.15	0.80	3.60			
30	45		Cum	2	15.00	0.15	0.80	3.60			
45	60		Cum	2	15.00	0.15	0.80	3.60			
60	75		Cum	2	15.00	0.15	0.80	3.60			
75	90		Cum	2	15.00	0.15	0.80	3.60			
90	107		Cum	2	17.00	0.15	0.80	4.08			
		G kallappa road									
0	15		Cum	2	15.00	0.15	0.80	3.60			
15	33.5		Cum	2	17.50	0.15	0.80	4.20			
42.6	57.6	33.5 to 42.6 Culvert	Cum	2	16.00	0.15	0.80	3.84			
57.6	76.1		Cum	2	18.50	0.15	0.80	4.44			
		For Culvert Slab									
		6th Main 18th Cross	Cum	1	7.10	1.80	0.23	2.94			
		6th Main 17th Cross	Cum	1	4.80	1.80	0.23	1.99			
		5th Main 18th Cross	Cum	1	4.70	1.80	0.23	1.95			
		5th Main 18th Cross	Cum	1	7.00	1.80	0.23	2.90			
		For Rcc Drain Side Fillling									
		Agrahara Layout									
		3rd Main Road									
0	15		Cum	1	15.00	0.15	0.15	0.34			
15	23.8		Cum	1	8.80	0.15	0.15	0.20			
29.8	47.2	23.8 to 29.8 Culvert And No Drain	Cum	1	17.40	0.15	0.15	0.39			
47.2	53.8		Cum	1	6.60	0.15	0.15	0.15			
		3rd Main To 4th Main 18th Cross Road									
0	15		Cum	1	15.00	0.15	0.15	0.34			
15	30		Cum	1	15.00	0.15	0.15	0.34			
34.4	49.4	30 to 34.4 No Drain	Cum	1	15.00	0.15	0.15	0.34			
49.4	58.1		Cum	1	8.70	0.15	0.15	0.20			
		4th Main to 5th main 18th Crosss									
0	15		Cum	1	15.00	0.15	0.15	0.34			

checked

Executive Engineer Project Division BBMP Yelahanka Zone Bangalore 92

C&FC 15/2/2020

Assistant Executive Engineer Contractor

Assistant Engineer PMC

Assistant Executive Engineer

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
15	27.7		Cum	1	12.70	0.15	0.15	0.29			
29.5	47.1	27.7 lto 29.5 No Drain	Cum	1	17.60	0.15	0.15	0.40			
49.7	55.3	47.1 to 49.7 No drain	Cum	1	5.60	0.15	0.15	0.13			
		5th Main to 6th Main 18th Cross									
0	15		Cum	1	15.00	0.15	0.15	0.34			
15	30		Cum	1	15.00	0.15	0.15	0.34			
30	45		Cum	1	15.00	0.15	0.15	0.34			
45	56.3		Cum	1	11.30	0.15	0.15	0.25			
		6th Main to Agrahara hospital									
0	15		Cum	1	15.00	0.15	0.15	0.34			
15	30		Cum	1	15.00	0.15	0.15	0.34			
30	45		Cum	1	15.00	0.15	0.15	0.34			
45	60		Cum	1	15.00	0.15	0.15	0.34			
60	75		Cum	1	15.00	0.15	0.15	0.34			
75	90		Cum	1	15.00	0.15	0.15	0.34			
99.5	113	90 to 99.5 Culvert	Cum	1	13.50	0.15	0.15	0.30			
		G kallappa road									
0	15		Cum	1	15.00	0.15	0.15	0.34			
15	33.5		Cum	1	18.50	0.15	0.15	0.42			
42.6	57.6	33.5 to 42.6 Culvert	Cum	1	15.00	0.15	0.15	0.34			
57.6	76.1		Cum	1	18.50	0.15	0.15	0.42			
		checked 15/2									
		For SSm Drain									
		Agrahara Hospital									
0	15		Cum	2	15.00	0.50	0.15	2.25			
15	30		Cum	2	15.00	0.50	0.15	2.25			
30	45		Cum	2	15.00	0.50	0.15	2.25			
45	60		Cum	2	15.00	0.50	0.15	2.25			
60	75		Cum	2	15.00	0.50	0.15	2.25			
75	90		Cum	2	15.00	0.50	0.15	2.25			
90	105		Cum	2	15.00	0.50	0.15	2.25			
105	107		Cum	2	2.00	0.50	0.15	0.30			
							TOTAL	**239.02**	**5998.54**	**1433742.54**	
Item no.12		Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work .									
			Tonne								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 16						**14.18**			
							TOTAL	**14.18**	**75223.96**	**1066857.89**	

Assistant Executive Engineer, Yelahanka Sub-division, BBMP, Bangalore-92

PRADEEP CONSULTANTS BANGALORE

Contractor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item no.13		KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) and as per the directions of the Engineer-in-charge of the work .									
			Cum								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 17-18						**25.60**			
							TOTAL	**25.60**	**344.50**	**8817.82**	
Item no.14		Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer-in-charge of the work .									
			Cum								
		Vide Total Executed Quantity from Pre Measurement Sheet page no. 19-20						**17.06**			
							TOTAL	**17.06**	**2001.28**	**34149.84**	
Item no.15		Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shuttering machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications C : C 1:1.5:3 Including all cost of material (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab. and as per the directions of the Engineer-in-charge of the work .									
Measurements Taken On :											
		Agrahara Layout									
		3rd Main Road									
0	15		Sqm	1	15.00	0.90		13.50			
15	23.8		Sqm	1	8.80	0.90		7.92			
29.8	47.2	23.8 to 29.8 Culvert And No Drain	Sqm	1	17.40	0.90		15.66			
47.2	53.8		Sqm	1	6.60	0.90		5.94			
		3rd Main To 4th Main 18th Cross Road									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
34.4	49.4	30 to 34.4 No Drain	Sqm	1	15.00	0.90		13.50			
49.4	58.1		Sqm	1	8.70	0.90		7.83			
		4th Main to 5th main 18th Crosss									
0	15		Sqm	1	15.00	0.90		13.50			
15	27.7		Sqm	1	12.70	0.90		11.43			
29.5	47.1	27.7 lto 29.5 No Drain	Sqm	1	17.60	0.90		15.84			
49.7	55.3	47.1 to 49.7 No drain	Sqm	1	5.60	0.90		5.04			
		5th Main to 6th Main 18th Cross									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	56.3		Sqm	1	11.30	0.90		10.17			

P.K.J.P. SUDRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer BMC Byatarayanapura Sub-division

Assistant Engineer

Asst. Executive Engineer Project Division Vijayanagar

Assistant Executive Engineer

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		6th Main to Agrahara hospital									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	60		Sqm	1	15.00	0.90		13.50			
60	75		Sqm	1	15.00	0.90		13.50			
75	90		Sqm	1	15.00	0.90		13.50			
99.5	113	90 to 99.5 Culvert	Sqm	1	13.50	0.90		12.15			
		Agrahara hospital Back Side									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	60		Sqm	1	15.00	0.90		13.50			
60	75		Sqm	1	15.00	0.90		13.50			
75	90		Sqm	1	15.00	0.90		13.50			
90	107		Sqm	1	17.00	0.90		15.30			
		G kallappa road									
0	15		Sqm	1	15.00	0.90		13.50			
15	32.5		Sqm	1	17.50	0.90		15.75			
41.6	57.6	33.5 to 42.6 Culvert	Sqm	1	16.00	0.90		14.40			
57.6	76.1		Sqm	1	18.50	0.90		16.65			
		For SSm Drain									
		Agrahara Hospital									
0	15		Sqm	1	15.00	1.20		18.00			
15	30		Sqm	1	15.00	1.20		18.00			
30	45		Sqm	1	15.00	1.20		18.00			
45	60		Sqm	1	15.00	1.20		18.00			
60	75		Sqm	1	15.00	1.20		18.00			
75	90		Sqm	1	15.00	1.20		18.00			
90	103.5		Sqm	1	13.50	1.20		16.20			
		G Kalappa Road									
0	8.1		Sqm	1	8.10	1.20		9.72			
							TOTAL	**571.50**	**2337.00**	**1335595.50**	

Item no.16	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per the directions of the Engineer-in-charge of the work . (Data Rate)
Measurements Taken On :	

		Agrahara Layout									
		3rd main Near Agrahara Bus Stand	Sqm	1	4.90	1.50		7.35			
		Cross Road	Sqm	1	9.50	1.50		14.25			
		hospital road	Sqm	1	8.70	1.50		13.05			
		G kalappa Road									
			Sqm	1	7.90	1.50		11.85			
			Sqm	1	6.10	1.50		9.15			
							TOTAL	**55.65**	**5418.00**	**301511.70**	

Item no.17	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge
Measurements Taken On :	

		Agrahara Layout									
		3rd Main Road									

Assistant Executive Engineer, Vijayanagara Sub-division, KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Asst. Executive Engineer, Project Division, Yelahanka, Bangalore

Assistant Executive Engineer